OIPE #

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/728,420A

DATE: 08/14/2001 TIME: 08:49:14

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3 <110> APPLICANT: Yoshinaga, Steven	
4 Mak, Tak	
5 Shahinian, Arda	
6 Trafuri Bladt, Anna	
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9 <120> TITLE OF INVENTION: Polypeptides involved in induction Response	150
11 /120\ RILE REFERENCE: A-5/9C	
12 <140> CURRENT APPLICATION NUMBER: U9//20,420A	
14 -141 CURDENT FILING DATE: 2000-11-20	
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17 (151) DOTOD TITING DATE: 2000-01-2/	
10 /150> PRIOR APPLICATION NUMBER: US 03/204/32/	
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23 <151> PRIOR FILING DATE: 1999-02-03	
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41 1 5 43 ctt tta aca gga gaa atc aat ggc tcg gcc gat cat agg atg ttt tca	<u>.</u>
44 Leu Leu Thr Gly Glu He Ash Gly Ser Ald Asp 30	
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45 20 25 47 ttt cac aat gga ggt gta cag att tct tgt aaa tac cct gag act gto 47 ttt cac aat gga ggt gta cag att tct tgt aaa tac cct gag act gto 48 Phe His Asn Gly Gly Val Gln Ile Ser Cys Lys Tyr Pro Glu Thr Val	· ·
49 35	a 192
51 cag cag tta aaa atg cga tty tte aga gag aga gan 55 52 Gln Gln Leu Lys Met Arg Leu Phe Arg Glu Arg Glu Val Leu Cys Glo 60	1
and and and and and are greatly too ato and ant co	a 240
55 ctc acc aag acc aag gga agc gga dat 303 355 56 Leu Thr Lys Thr Lys Gly Ser Gly Asn Ala Val Ser Ile Lys Asn Pro	o
70 / 7	
57 65 70 and and are are are are are are are the tet the et	a 288
59 atg ctc tgt cta tat cat ctg tcd das as Ser Val Ser Phe Phe Le 60 Met Leu Cys Leu Tyr His Leu Ser Asn Asn Ser Val Ser Phe Phe Le	u
61 age tag age tat tag ttg age etg to	c 336
63 aac aac cca gac age tee cag ggd age see Tyr Tyr Phe Cys Ser Leu Se 64 Asn Asn Pro Asp Ser Ser Gln Gly Ser Tyr Tyr Phe Cys Ser Leu Se	r
100	
65 100 105 224 67 att ttt gac cca cct cct ttt caa gaa agg aac ctt agt gga gga ta	t 384
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	and the second s



RAW SEQUENCE LISTING

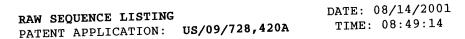
PATENT APPLICATION: US/09/728,420A

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69 113 tax and star tax tax can cty aay ctc tgg cta	432
71 ttg cat att tat gaa tcc cag ctc tgc tgc cag out 77 ttg cat att tat gaa tcc cag ctc tgc tgc cag out 77 Leu Trp Leu 72 Leu His Ile Tyr Glu Ser Gln Leu Cys Cys Gln Leu Lys Leu Trp Leu 72 Leu His Ile Tyr Glu Ser Gln Leu Cys Cys Gln Leu Lys Leu Trp Leu	
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76 Dro Val Gly Cvs Ala Ala Pile val val val lou - 160	
	528
77 145 79 ctt atc atc tgg ttt tca aaa aag aaa tac gga tcc agt gtg cat gac 79 ctt atc atc tgg ttt tca aaa aag aaa tac gga tcc agt gtg cat gac	520
79 ctt atc atc tgg ttt tca add adg ddd tdc 334 Ser Ser Val His Asp 80 Leu Ile Ile Trp Phe Ser Lys Lys Lys Tyr Gly Ser Ser Val His Asp	
	536
or and deal and are are are are are are are are	576
83 cct aat agt gaa tac aty the Met Ala Ala Val Asn Thr Asn Lys Lys	
83 cct aat agt gaa tac atg ttc atg gcg gcd gco all and an atg Lys 84 Pro Asn Ser Glu Tyr Met Phe Met Ala Ala Val Asn Thr Asn Lys Lys 180 180 180	
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-1 Glas Clus Tlo Aen Gly Ser Ala Asp HIS Alg Mee The Del	
103 Leu Leu Thr Gly Glu lie Ash Gly Sol Leu 1	
100 1 5 103 Leu Leu Thr Gly Glu Ile Asn Gly Ser Ala Asp His Arg Met Phe Ser 30 25 30 104 20 25 30 104 mbr Val	
104 20 25 107 Phe His Asn Gly Gly Val Gln Ile Ser Cys Lys Tyr Pro Glu Thr Val	
104 20 25 107 Phe His Asn Gly Gly Val Gln Ile Ser Cys Lys Tyr Pro Glu Thr Val	
104 20 25 107 Phe His Asn Gly Gly Val Gln Ile Ser Cys Lys Tyr Pro Glu Thr Val 107 Phe His Asn Gly Gly Val Gln Ile Ser Cys Lys Tyr Pro Glu Thr Val 45 108 35 40 45 111 Gln Gln Leu Lys Met Arg Leu Phe Arg Glu Arg Glu Val Leu Cys Glu 60	
104 20 25 107 Phe His Asn Gly Gly Val Gln Ile Ser Cys Lys Tyr Pro Glu Thr Val 107 Phe His Asn Gly Gly Val Gln Ile Ser Cys Lys Tyr Pro Glu Thr Val 45 108 35 40 45 111 Gln Gln Leu Lys Met Arg Leu Phe Arg Glu Arg Glu Val Leu Cys Glu 60	
104 20 25 107 Phe His Asn Gly Gly Val Gln Ile Ser Cys Lys Tyr Pro Glu Thr Val 108 35 40 45 111 Gln Gln Leu Lys Met Arg Leu Phe Arg Glu Arg Glu Val Leu Cys Glu 112 50 55 60 115 Leu Thr Lys Thr Lys Gly Ser Gly Asn Ala Val Ser Ile Lys Asn Pro 80	
104 20 25 107 Phe His Asn Gly Gly Val Gln Ile Ser Cys Lys Tyr Pro Glu Thr Val 108 35 40 45 111 Gln Gln Leu Lys Met Arg Leu Phe Arg Glu Arg Glu Val Leu Cys Glu 112 50 60 115 Leu Thr Lys Thr Lys Gly Ser Gly Asn Ala Val Ser Ile Lys Asn Pro 108 75 80	
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Input Set : A:\A-579C.ST25.txt

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164 Phe His Asn Gly Gly Val Gln Ile Ser Cys Lys Tyr Pro Glu Thr Val
167 Gln Gln Leu Lys Met Arg Leu Phe Arg Glu Arg Glu Val Leu Cys Glu
                            55
170 Leu Thr Lys Thr Lys Gly Ser Gly Asn Ala Val Ser Ile Lys Asn Pro
                        70
173 Met Leu Cys Leu Tyr His Leu Ser Asn Asn Ser Val Ser Phe Phe Leu
                                        90
                   85
176 Asn Asn Pro Asp Ser Ser Gln Gly Ser Tyr Tyr Phe Cys Ser Leu Ser
                                    105
               100
179 Ile Phe Asp Pro Pro Pro Phe Gln Glu Arg Asn Leu Ser Gly Gly Tyr
                                                    125
                                120
182 Leu His Ile Tyr Glu Ser Gln Leu Cys Cys Gln Leu Lys Leu Trp Leu
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                            135
185 Pro Val Gly Cys Ala Ala Phe Val Val Leu Leu Phe Gly Cys Ile
                                            155
                         150
186 145
188 Leu Ile Ile Trp Phe Ser Lys Lys Lys Tyr Gly Ser Ser Val His Asp
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                 20
 210 Asp Ser Asn Glu Val Ser Leu Ser Cys Arg Tyr Ser Tyr Asn Leu Leu
 213 Ala Lys Glu Phe Arg Ala Ser Leu Tyr Lys Gly Val Asn Ser Asp Val
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 216 Glu Val Cys Val Gly Asn Gly Asn Phe Thr Tyr Gln Pro Gln Phe Arg
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                                             75
 219 Ser Asn Ala Glu Phe Asn Cys Asp Gly Asp Phe Asp Asn Glu Thr Val
 217 65
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 222 Thr Phe Arg Leu Trp Asn Leu His Val Asn His Thr Asp Ile Tyr Phe
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TIME: 08:49:14

Input Set : A:\A-579C.ST25.txt
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Output Set: N:\CRF3\00112000	
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225 Cys Lys Ile Glu Phe Met 172 125 120 125	
226 115 120 226 115 120 Lys His Leu Cys His Thr 228 Ser Asn Gly Thr Ile Ile His Ile Lys Glu Lys His Leu Cys His Thr	
228 Ser Asn Gly III 110 110 110 110 110 110 110 110 110	
228 Ser Ash Car Ash Ca	
231 Gln Ser Ser Plo Bys Edu 155	
232 145 The Cly Leu Val Thr Val Ala Leu Cys Val 112	
231 GH Set	
234 Leu File 675 165 170 235 165 165 190 237 Thr Asn Ser Arg Arg Asn Arg Leu Leu Gln Val Thr Thr Met Asn Met 190 185 190	
237 Thr Asn Ser Arg Alg Ash 125 190	
237 THE ASH 180 185 238 180 240 Thr Pro Arg Arg Pro Gly Leu Thr Arg Lys Pro Tyr Gln Pro Tyr Ala 240 Thr Pro Arg Arg Pro Gly Leu Thr Arg Lys Pro Tyr Gln Pro Tyr Ala 200 205	
240 Thr Pro Arg Alg Plo 617 200 205	
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070 1	96
2/9 1 201 gtt tog aag aag ctc cat gtt tot agc ggy tie tee strain in the ser Gly Leu Gly	
200 Mal iliab 1/08 TAB TC# 30	
202 Let agt agg fat qua quy	144
282 Val 11p 21 25 283 20 25 285 ctg ttc ttg ctg ctg ttg agc agc ctc tgt gct gcc tct gca gag act 285 ctg ttc ttg ctg ctg ttg agc agc ctc tgt gct gcc tct gca gag act 286 Leu Phe Leu Leu Leu Ser Ser Leu Cys Ala Ala Ser Ala Glu Thr 286 Leu Phe Leu Leu Leu Ser Ser Leu Cys Ala Ala Ser Ala Glu Thr 287 Ala Ala Ser Ala Glu Thr	
and tou the Leu Leu Leu Leu Leu La	
207 35	192
289 gaa gtc ggt gca atg gtg ggc agc aat gtg gtg cco 25	
200 Clu Val GIV Ald MCC 2	
290 GIU var == 55	
291 50 291 are certain that get that tage can	240
291 50 55 293 ccc cac aga cgc cat ttc aac ttg agt ggt ctg tat gtc tat tgg caa	240



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	atc	qaa	aac	cca	gaa	gtt	tcg	gtg	act	tac	tac	ctg	cct	tac	aag	tct	288
298	Ile	Ğlu	Asn	Pro	Glu	Val	Ser	Val	Thr	Tyr	Tyr	Leu	${\tt Pro}$	Tyr	Lys	Ser	
299					85					90					95	•	
301	cca	ggg	atc	aat	gtg	gac	agt	tcc	tac	aag	aac	agg	ggc	cat	ctg	tcc	336
302	Pro	Gly	Ile	Asn	Val	Asp	Ser	Ser	Tyr	Lys	Asn	Arg	Gly	His	Leu	Ser	
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305	ctg	gac	tcc	atg	aag	cag	ggt	aac	ttc	tct	ctg	tac	ctg	aag	aat	gtc	384
306	Leu	Asp		Met	Lys	Gln	Gly		Phe	Ser	Leu	Tyr		Lys	Asn	Val	
307			115					120					125				433
309	acc	cct	cag	gat	acc	cag	gag	ttc	aca	tgc	cgg	gta	TTT	atg	aat	aca	432
	Thr		Gln	Asp	Thr	GIn		Pne	Thr	Cys	Arg		Pne	Met	ASII	THE	
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313	gcc	aca	gag	tta	gtc	aag	atc	teg	gaa	gag	yry	y	ayy Ara	Tou	Ara	y cy Val	400
	Ala	THE	GIU	ьеu	Val	150	TIE	теп	Gru	GLU	155	vaı.	лıу	neu	ALY	160	
315	gca	~~~	224	++-	201		aat	ata	ato	age		tet	rat	agc	tcc		528
31/	Ala	y Ca	Acr	Dho	cor	Thr	Dro	Val	Tla	Ser	Thr	Ser	Asp	Ser	Ser	Asn	320
319	Ald	нια	дып	riic	165	T 11T	110	141	110	170					175		
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322	Pro	Glv	Gln	Glu	Ara	Thr	Tvr	Thr	Cvs	Met	Ser	Lys	Asn	Gly	Tyr	Pro	
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327			195		_	_		200					205				
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331		210					215					220					
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	Leu	Cys	Cys	Val		Asn	vaı	Ala	Leu		Gin	ASN	шe	THE	255	116	
339					245		+	~~-	+	250	202	224	220	003		ma a	816
341	agc Ser	cag	gca	gaa	agt	Dho	act mb~	gya	Aan	Acn	Thr	Tuc	Agn	Dro	Gln	Glu	010
	ser	GII	Ата	260	ser	Pne	1111	ату	265	ASU	1111	цуз	NSII	270	GIII	Giu	
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343	Thr	Uic	Acn	Agn	Glu	T.e.ii	Tage	Val	Len	Val	Pro	Val	Len	Ala	Val	Leu	
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350	Ala	Ala	Ala	Ala	Phe	Val	Ser	Phe	Ile	Ile	Tyr	Arg	Arg	Thr	Arg	Pro	
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	cac																966
358	His	Ala															

VERIFICATION SUMMARY

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